

# BIOMEDICAL ENGINEERING

**BUILD YOUR FUTURE HERE**



## Department of Biomedical Engineering

**RESEARCH BASED  
LEARNING**

**INDUSTRY  
COLLABORATION – MoU's**

**INDUSTRY  
TRAINING - VAC**



Department have an industry-based curriculum which provides the bridge for the students and industry supported subject areas

Signed a Memorandum of Understanding with Atheena Pandian Private Limited, Chennai and TMI SYSTEMS, Bangalore, for promotion of education, research and innovation on 25.01.2023 and on 17.04.2023 respectively.

Organized a value-added course on "Radiological Equipment's and Diagnostic Equipment's" by SIEMENS Healthcare Private Limited, Chennai from 06.03.2023 to 10.03.2023

## SALIENT FEATURES

- ❖ Biomedical Multidisciplinary education for holistic development.
- ❖ Specialize in the areas that best fit your interests and career goals thanks to the course's combination of mechanical, mechatronic, electrical, chemical, and materials engineering.
- ❖ State of the art practical laboratories and equipment.
- ❖ Specialize in Biomaterials lab for restoring function and facilitating healing for people after injury or disease.
- ❖ Broaden your career prospectus Newfound expertise will enable you to make contributions to ground-breaking research like biomedical engineering, tissue engineering, orthopaedic engineering, bioelectronics and computer simulation of biomedical systems
- ❖ Boost your employability skills & better your employment opportunities.
- ❖ International level foreign language studies.
- ❖ The award-winning Professional Engagement Programme and internship will be as part of your degree programme
- ❖ Partner institute of Chennai Medical College Hospital & Research Centre - Tiruchirappalli, and SRM Multi Specialty Hospital (Ramapuram).

## OUR VISION

- Implement Science and Engineering principles in the broad area of Medical Instrumentation.
- Improve Healthcare delivery to humans in association with physicians and surgeons.
- Translate Biomedical Engineering research to applications that will advance and improve Healthcare.

## OUR MISSION

- Build on a strong foundation in Basic science and Engineering and educate the students in diverse filed of Biomedical Engineering
- Work towards state of art Biomedical Engineering research and development through an interdisciplinary curriculum.
- Apply knowledge about design in development of enabling technologies for improvement of human health

# CAREER OPPORTUNITIES

Biomedical engineers get employed in the industry like (Healthcare, Medical Instrument, Biomedical, Pharmaceutical), Hospitals, Research Organizations (including CROs), Academia, and the Government Sector.

## CORE AREAS & CORE COMPANIES



# LAB INFRASTRUCTURE



Electronics Lab



Biomaterials & Tissue Interaction Lab



Biomedical Sensor Lab



Biomedical Instrumentation Lab

Computer Lab

Pathology Lab

**Have well equipped with various labs such as Biosensor, Biomaterials & Tissue Interaction, Human Physiology, Biochemistry, Electronics lab to carry out the projects and research by the students and staffs**

## HOSPITAL TRAINING

## INDUSTRY TRAINING



**Students attended an Industrial Visit and One Day Workshop on Biomedical Applications for second year Biomedical Engineering students at Gleneagles Global Health City, Perumbakkam, Chennai on 27th May 2022.**

**Also, Students attended 5 days Industry training with Atheena Pandiyan Pvt Ltd in the SRM Campus**

## DEPARTMENT SYMPOSIUM



**First National Level Symposium “BIORGANZA 2K22” on  
10-11-2022.**

## DEPARTMENT CLUB



**Inaugurated a Technical Club - BiolInnoVision and Conducted  
4 Technical Events in which students from various  
department participated and won the medals on 25-08-  
2023.**

# DEPARTMENT EVENTS



Guest lecture on "Job opportunities for BME in Hospitals and Healthcare Industries" on 12-09-2022



Workshop on "Introduction to MATLAB software for Biomedical Engineers" on 30-09-2022



Guest lecture on "Medical Image Retrieval for Hospital Information System" 18-10-2022



First National Level Symposium "BIORGANZA 2K22" on 10-11-2022



Guest Lecture on "Emphasis on the Healthcare Application of Image and Signal Processing" on 19-01-2023.



Workshop on "RECENT ADVANCEMENT IN BIOMEDICAL TECHNOLOGY" from 16.03.2023 to 17.03.2023.



International seminar on "Recent Advances in 3D Printing of Biomaterials" on 07-03-2023



Guest Lecture on "Scope Of Biomedical Engineering in Global Markets" on 10.08.2023



"Open Mic" on 25-03-2023.

# PROJECT DAY



# STUDENT ACHIEVEMENTS

## Hearty Congratulations

TO OUR SECOND YEAR BIOMEDICAL ENGINEERING STUDENTS FOR WINNING  
**GOLD MEDAL IN THE RESEARCH DAY-2023**  
SRMIST, KATTANKULATHUR. HELD ON 28-02-2023



**R. ADITYA**  
RA211010020043



**PARVEEN SAHANA**  
RA211010020002



**AJIT SRINIVAS**  
RA211010020002



**Mr. KARAN BALAKRISHNAN &  
Mr. JYOTHIR ADETHYA**  
BATCH 2021-2025

**Mr. KARAN BALAKRISHNAN and  
Mr. JYOTHIR ADETHYA**  
(2021-2025 Batch) won the first prize  
in **IETE C@NNECT**  
organized by IETE, Chennai.

## Hearty Congratulations



**Mr. VISHAL & Mr. SRINIVAYAN**  
BATCH 2020-2024

**Mr. VISHAL and Mr. SRIVINAYAN**  
(2020-2024 Batch) participated in  
**INNOVATIVE PROJECT PRESENTATION**  
conducted by CIT, Chennai and  
won **SECOND PLACE** with cash prize.



Students have participated in  
Symposium and won various awards

## Hearty Congratulations

TO OUR THIRD YEAR BIOMEDICAL ENGINEERING STUDENTS FOR WINNING  
**SILVER MEDAL IN THE RESEARCH DAY-2023**  
SRMIST, KATTANKULATHUR. HELD ON 28-02-2023



**NIRANJANA BALAJI K**  
RA201010020001



**S SHUVETHA PRIYA**  
RA201010020006



**VIPSHMI R**  
RA201010020049



**YUGESH PRASANNA B**  
RA201010020006



**Ms. SHUVETHA PRIYA**  
BATCH 2020-2024

**Ms. SHUVETHA PRIYA**  
(2020-2024 batch) participated in  
**TECHNICAL QUIZ** conducted by  
CIT, Chennai and  
won second prize with cash prize.

## Hearty Congratulations



**Ms. SHONELLE ANDREA MORAIS**  
BATCH 2020-2024

**Ms. SHONELLE ANDREA MORAIS**  
(2020-2024 batch) won the  
**HIGH COMMENDATION AWARD**  
in the **SOEL MUN WHO** committee held by  
Dr. B. R. Ambedkar Law University,  
Chennai in May 2022.



Students have participated in technical  
events like ideathon and won 1st prize

Students have participated in Research Day, conducted by  
SRMIST, KTR and won Gold and Silver medals

# PLACEMENT RECORD

**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY**  
Ramapuram Campus

**COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF BIOMEDICAL ENGINEERING**

**BATCH 2020-2024**

*Hearty Congratulations*

For Getting A Dream Offer From **JOHNSON & JOHNSON**





**SHONELLE ANDREA MORAIS**  
RA2011003020023  
CTC : 6.5 LPA



**PRIYAMVADA. J. MENON**  
RA2011003020027  
CTC : 6.5 LPA



**ABARNISHA**  
RA2011003020052  
CTC : 6.5 LPA



**JASON ANTHONY**  
RA2011003020015  
CTC : 6.5 LPA

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**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY**  
Ramapuram Campus

**COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF BIOMEDICAL ENGINEERING**

**BATCH 2020-2024**

*Hearty Congratulations*

For Getting A Dream Offer From **ZIFO RnD SOLUTIONS**

With CTC ₹ 4.76 LPA





**SABRINA SAURIYATH.A**  
RA2011013020017  
CTC : 4.76 LPA



**ARSHWATHA NIVETHA R**  
RA2011013020020  
CTC : 4.76 LPA

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**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY**  
Ramapuram

**COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF BIOMEDICAL ENGINEERING**

*Hearty Congratulations*

For Getting A Dream offer from **MY CAPTAIN**





**NANDHU SURESH**  
REG NO : RA2011013020042  
CTC : 5.5 LPA

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**Biomedical Department proudly share that our students placed in Core Companies with Dream and Super Dream Offers**

## STUDENT PARTICIPATION IN EXTRA CURRICULAR ACTIVITIES



"Learning gives creativity, creativity leads to thinking, thinking provides knowledge, and knowledge makes you great." – A.P.J. Abdul Kalam